



10/9/98  
169935

9 October '98

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IDEM  
100 North Senate Avenue  
P.O. Box 6015  
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Michael McAteer  
USEPA, HSEW-6J  
77 West Jackson Blvd.  
Chicago, IL 60604-3590

**Re: Enviro-Chem Superfund Site  
Monthly Construction Progress Report Number 10  
September 1998**

This Monthly Progress report has been prepared in accordance with Section XII of the Consent Decree entered September 10, 1991, Number 83419C, U.S.D.C. District of Indiana.

**(1) Actions Taken Toward Achieving Compliance with Decree**

- a. Versar installed the HDPE Liner on the north side of the SCP and completed backfilling this area. (100% complete)
- b. The two temporary storage Tanks T-1 & T-3 were taken out of service and pressure washed. (100% complete)
- c. The Mobile Wastewater Treatment Unit was disconnected, carbon removed and has been removed from the site. (100% complete)
- d. One Frac Tank was brought back on-site and was being used to contain water from the parcel 45 water seepage while testing was performed. USEPA/IDEM have subsequently approved the discharge of the water (25 September '98), based upon the laboratory analysis and the water was discharged. (100 % complete)
- e. Excavation of the parcel 45 drainage ditch and placement of the concrete revetment was put on hold until discharge of the seep water was authorized. The work has subsequently resumed. (30% complete)
- f. The programming for the SVE System's PLC (automated controller) underwent additional checking out this month. (100% complete)
- g. The treatment system vapor analyzer has been repaired, calibrated and placed in operation. (100% complete)

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- h. Installation of the Stage 1 Cap for the north fill area was stopped early in the month due to wet soil conditions, compaction and the quality of the borrow pit material (i.e., density/amount of stones greater than one inch). Versar subsequently performed a value engineering design of an alternative RCRA cap that utilized a HDPE liner and geonet. USEPA/IDEM orally approved proceeding with alternative cap on 25 September '98 with the revision of bridge lift specification to include select fill compacted to a modified proctor of 85. The HDPE liner has also been ordered. Written comments from USEPA/IDEM were received on 1 October '98. (10 % complete)
- i. Radian continued weekly conference calls with USEPA, IDEM, Trustees and Versar on September 4, 11, 18 and 25, 1998.
- j. Versar began the installation of the south diversion channel. (30% complete)

**2) Validated Results and Other Data**

No validated data was generated during the month.

**(3) Additional Work Performed**

There was no "additional work within the meaning of the consent decree." Work completed this month under Revised Exhibit A includes the items identified in 1 a through j above.

**(4) Anticipated Activities for Next Month**

- a. Versar will continue work on the RCRA cap on the north and central areas.
- b. Versar will complete the parcel 45 ditch upgrade and placement of revetment.
- c. Versar will continue to install the concrete revetment in the south diversion channel.
- d. Versar will install a recovery well in the second hot spot area. After pumping this well to collect any potential pumpable contamination, both hot spots #'s 1 and 2 will then be resampled and retreated with Fenton reagent.
- e. Versar will process any collected contaminated water from the site. Monthly analyses will be completed to assure that discharge criteria continue to be met.
- f. Temporary tanks T-1 and T-3 will be disassembled and removed from the site.

**(5) Problems & Resolution**

The alternative RCRA cap that utilizes an 60 mil HDPE liner system was approved by USEPA/IDEM, subject to comments received on 1 October '98. The construction of bridge lift to support the liner system began on 29 September '98. Tentative receipt of the 60-mil HDPE liner is scheduled for the week ending October 17, 1998. This will allow for liner installation prior to the ground freezing and still allow for start-up of the SVE system prior to 3 December '98 (Revised Exhibit A start-up deadline).

Due to the low level of on-site construction activity during September, only a few photographs were taken. They are in the process of being developed and will be submitted with the October Monthly Construction Report.

If you have any questions, please feel free to call me at (215) 788-7844, extension 222

Sincerely,



G. J. Anastos, Ph.D., P.E.  
Project Manager

cc: D Basko (Versar)  
R Ball (ENVIRON)  
Joe Borucki (Versar)  
N Bernstein (NEB&A)  
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